

US DEPARTMENT OF AGRICULTURE
FOREST SERVICE

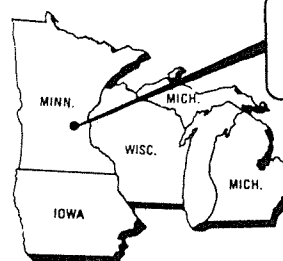
5220



Northeastern Area
State & Private Forestry
DIVISION OF FOREST PEST CONTROL

Rpt. No. S-70-4

December, 1970



US FOREST SERVICE
NA - S&PF - FIELD OFFICE
FEDERAL BLDG. - US COURT HOUSE
316 ROBERT ST.
ST. PAUL, MINN. 55101

AERIAL SURVEY OF JACK-PINE BUDWORM DEFOLIATION
ON THE CHEQUAMEGON NATIONAL FOREST, WISCONSIN

By Glen Erickson

INTRODUCTION

Jack-pine budworm, Choristoneura pinus pinus Freeman, defoliation in northern Wisconsin has been reported during most of the last decade. The most recent outbreak began west of the Forest in 1965, spread to the Washburn Ranger District in 1966 and persisted for 2 years. Defoliation has been on the decline since 1968. This survey was made to confirm the present area of infestation.

METHODS

An aerial survey was flown August 20, 1970, in the Forest Service Aero-Commander. Flights were in a north-south direction; in parallel lines 4 miles apart; 1000 feet above the ground at 120 mph. Light defoliation - light brown crown tops - was the only class of defoliation observed and mapped.

RESULTS

Ground checks confirmed the light defoliation as caused by larval feeding on current season shoots. Only scattered individual trees showed heavier feeding damage.

No budworm defoliation was observed during the aerial survey in other Jack-pine areas on the Forest.

RECOMMENDATIONS

The Land Manager should continue surveillance surveys for Jack pine budworm damage. Indications of defoliation of Jack-pine should be reported to the St. Paul Field Office on Forest Pest Form NE 5200-1.

